

**Dotz obtains CE Mark authorisation for its saliva-based virus detection technology**

**Dotz Nano Limited** (ASX:DTZ) (“**Dotz**” or the “**Company**”) an advanced technology company developing, manufacturing and commercialising marking, tracing and verification solutions, has obtained authorisation to use the CE Mark for its SARS-CoV-2 virus detection technology (the “**Dotz Test Kits**”), in respect of **saliva samples**.

The CE Mark clears the **saliva-based** diagnostic Dotz Test Kits for sale in the European Union (although some countries in the European Union have additional import regulatory requirements that Dotz will need to comply with if it intends to sell the Dotz Test Kits in those countries), and follows the Company obtaining authorisation to use the CE Mark for its nasopharyngeal swab-based Dotz Test Kits (refer to the Company’s announcement on 1 March 2021). The Dotz Test Kit was created and tested for use with both nasopharyngeal swab and saliva samples, and now the Dotz Test Kit has CE Mark authorisation in respect of both nasopharyngeal swab and saliva samples. Similar to the Company’s CE Mark application for its nasopharyngeal swab-based Dotz Test Kits, Systaaq Diagnostic Products was engaged by Dotz and listed as the ISO13485 manufacturer for the saliva-based Dotz Test Kit.

The saliva-based Dotz Test Kit, being saliva based, is less intrusive than the current standard method of sample collection in most parts of the world of nasopharyngeal swab sampling. It is also more simple, convenient and cost efficient than nasopharyngeal swab sampling.

The **saliva-based** Dotz Test Kit has the following features:

- 100% True Positive Rate for for viral loads of 1250 copies per mL **in saliva**;
- the limit of detection for the saliva-based Dotz Test Kit is 1,250 copies per mL when using 1mL of input sample. The True Positive Rates at other copy numbers are as follows:

<b>Results of Detection Study using the Dotz Test Kit (saliva sampling)</b>			
<b>Virus</b>	<b>Material</b>	<b>Copy Number per mL</b>	<b>True Positive Rate</b>
2019 Novel Coronavirus	Chemically-inactivated SARS-CoV-2 in saliva	2,500	100%
		1,250	100%
		625	75%
		313	70%
N/A	Saliva	0	0%

- 100% specificity, following a negative cross-reactivity results for a range of other viruses;
- test results within 15-17 minutes (when using two heating blocks);
- visual detection by colour change of the reagents; and
- simultaneous testing of up to hundreds of samples using standard heating blocks.<sup>1</sup>

-ENDS-

*This announcement has been authorised for release by the Board of Dotz Nano Limited.*

<sup>1</sup> Other materials including a viral RNA extraction kit are required for testing but not included in the Dotz Test Kit.



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**About Dotz Nano Limited**

Dotz Nano Limited (ASX: DTZ) is a technology leader in research, production and marketing of anti-counterfeiting, authentication and tracing solutions.

Its unique products ValiDotz, BioDotz, Fluorensic and InSpec are exceptional solutions for numerous applications, such as: bio-imaging, liquids tagging, lubricants and DEF authentication, polymers tagging, anti-counterfeiting, brand & reputation protection and oil & gas industry.

To learn more about Dotz, please visit the website and corporate video via the following link [www.dotz.tech](http://www.dotz.tech)